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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,676	04/04/2006	Dennis Lee	PU60525	4094
	7590 08/20/200 BEECHAM CORPOR		EXAMINER	
CORPORATE INTELLECTUAL PROPERTY-US, UW2220 P. O. BOX 1539 KING OF PRUSSIA. PA 19406-0939		RAHMANI, NILOOFAR		
			ART UNIT	PAPER NUMBER
mile of The	,		1625	
			NOTIFICATION DATE	DELIVERY MODE
			08/20/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail $\,$ address(es):

US_cipkop@gsk.com

Application No. 10/574.676 LEE ET AL. Office Action Summary Examiner Art Unit

Applicant(s)

	NILOOFAR RAHMANI	1625			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be auxiliable under the provision of 37 CFR 1136(3). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expre SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDORED (35 U.S.C, § 133). Failure to reply within the set or extended period for reply will due the mailing date of this communication, event from high distingtion. Set of SIX (17 CM) and or the communication, event from high distingtion.					
Status					
3) Since this application is in condition for allowar	action is non-final. ace except for formal matters, pro		e merits is		
closed in accordance with the practice under E	x parte Quayle, 1955 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims					
4) ⊠ Claim(s) 1-7 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) 1 and 3-7 is/are rejected. 7) ☒ Claim(s) 2 is/are objected to. 8) □ Claim(s) are subject to restriction and/or					
Application Papers					
9) The specification is objected to by the Examinei 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	a 37 CFR 1.85(a). jected to. See 37 C			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National	Stage		
	.,				
Attachment(s)					

- 1) Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (PTO/S5/08)
 - Paper No(s)/Mail Date 04/04/2006.

- 4) Interview Summary (PTO-413)
- Paper No(s)/Mail Date. 5) Notice of Informal Patent Application
- 6) Other: __

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DETAILED ACTION

1. Claims 1-7 are pending in the instant application.

Priority

2. This application was filed on 04/04/2006, which is a 371 of PCT/US2004/032824, file on10/06/2004, which claims benefit of 60/508,894 and claims benefit of 60/531,949. filed on 12/23/2003

3. Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 3-6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement because the specification does not enable the instant compound to inhibit Rho-kinases and therefore to treat any and all known or unknown diseases. The claim contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

There are many factors to be considered when determining whether there is sufficient evidence to support a determination that a disclosure does not satisfy the enablement requirement and whether any necessary experimentation is "undue". These factors include 1) the breadth of the claims, 2) the nature of the invention, 3) the state of the prior art, 4) the level of one of ordinary skill, 5) the

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level of predictability in the art, 6) the amount of direction provided by the inventor, 7) the existence of working examples, and 8) the quantity of experimentation needed to make or use the invention based on the content of the disclosure. In re Wands, 858 F.2d 731, 737, 8 USPQ2d 1400, 1404 (Fed. Cir. 1988).

- 1) The breadth of the claims.
- 2) The nature of the invention,
- 3) The state of the prior art,
- 4) The level of one of ordinary skill,
- 5) The level of predictability in the art,
- 6) The amount of direction provided by the inventor,
- 7) The existence of working examples.
- 8) The quantity of experimentation needed to make or use the invention based on the content of the disclosure.

The nature of the invention: The instant invention is drawn to method of inhibiting Rho-kinases comprising administering to a subject in need thereof a safe and effective amount of a compound according to claim 1.

The state of the prior art: At the time the invention was made, the scientific community was not certain of the activity of Rho-kinase inhibitors and the treatment of hypertension: "Rho-kinase inhibitors *may* have therapeutic benefits in patients with hypoxia-induced pulmonary hypertension." (Emphasis added). Takemoto et al., Circulation, (2002 Jul 2) Vol. 106, No. 1, pp. 57-62.

The predictability in the art: It is noted that the pharmaceutical art is unpredictable, requiring each embodiment to be individually assessed for Application/Control Number: 10/574,676

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physiological activity. *In re Fisher*, 427 F. 2d 833, 166 USPQ 18 (CCPA 1970) indicates that the more unpredictable an area is, the more specific enablement is necessary in order to satisfy the statute. In the instant case, the instantly claimed invention is highly unpredictable since one skilled in the art would recognize that in regards to the therapeutic effects, whether or not the compounds of formula of claim 1 would be useful for treating a pharmacological condition in a subject.

Amount of guidance/working examples: Applicant provides no guidance for using a therapeutically effective amount of a compound of Formula (I) could treat any and all known or unknown diseases. Nor does applicant identify what diseases are treatable by therapeutically effective amount of a compound of Formula (I).

The breadth of the claims: The breadth of claims is drawn to method of inhibiting Rho-kinases comprising administering to a subject in need thereof a safe and effective amount of a compound according to claim 1.

The quantity of undue experimentation needed: Since the guidance and teaching provided by the specification is insufficient for treating diseases associated with therapeutically effective amount of a compound of Formula (I) is efficacious, one of ordinary skill in the art, even with high level of skill, is unable to use the instant compounds as claimed without undue experimentation.

The level of the skill in the art: The level of skill in the art is high. However, due to the unpredictability in the pharmaceutical art, it is noted that each embodiment of the invention is required to be individually assessed for physiological activity

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by in vitro and in vivo screening to determine which compounds exhibit the desired pharmacological activity and which diseases would benefit from this activity.

Taking all of the above into consideration, it is not seen where the instant claims 3-6, for treating diseases associated with therapeutically effective amount of a compound of Formula (I) is efficacious, have been enabled by the instant specification.

4. Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors

Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology

Technical Amendments Act of 2002 do not apply when the reference is a U.S.

patent resulting directly or indirectly from an international application filed before

November 29, 2000. Therefore, the prior art date of the reference is determined

under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C.

102(e)).

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Claims 1 and 7 are rejected under 35 U.S.C. 102(a,e) as being anticipated by Bailey et al., WO 2003080610. Bailey et al. disclosed the instant claimed compounds, which from the STN search is

RN 607373-85-3

CN 1,2,5-Oxadiazol-3-amine, 4-(1-ethyl-6-methoxy-1H-imidazo[4,5-c]pyridin-2-yl)-

RN 607373-97-7

CN 1,2,5-Oxadiazol-3-amine, 4-[1-ethyl-6-(methylthio)-1H-imidazo[4,5-

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c]pyridin-2-yl]-

. Therefore, the instant claim is anticipated by Bailey et al.

5. Claim Objections

Claim 2 is objected to as being dependent upon a cancelled base claim 1 but would be allowable if rewritten in independent form including all of the limitations of the base claims and any intervening claims.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Niloofar Rahmani whose telephone number is 571-272-4329. The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres, can be reached on 571-272-0867. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or public PAIR. Application/Control Number: 10/574,676 Page 8

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/NILOOFAR RAHMANI/

08/11/2008

/D. Margaret Seaman/

Primary Examiner, Art Unit 1625